

ABSTRACT

Channel Estimation in a Multi Carrier Transmit Diversity System

5

A method and a circuit (44) for estimating channel coefficients in a multi carrier transmit diversity system operating in accordance with a block-coding scheme is described. The method comprises determining from a receive signal (\mathbf{Y}) for each channel estimated channel coefficients ($\hat{\mathbf{h}}$) comprising interference components from adjacent channels artificially introduced during the estimation, deriving estimates for interference components and determining interference-compensated estimates ($\hat{\mathbf{H}}_{F+IC}$) for the channel coefficients on the basis of the estimates for the interference components.

10

15

(Fig. 10)

6098

U